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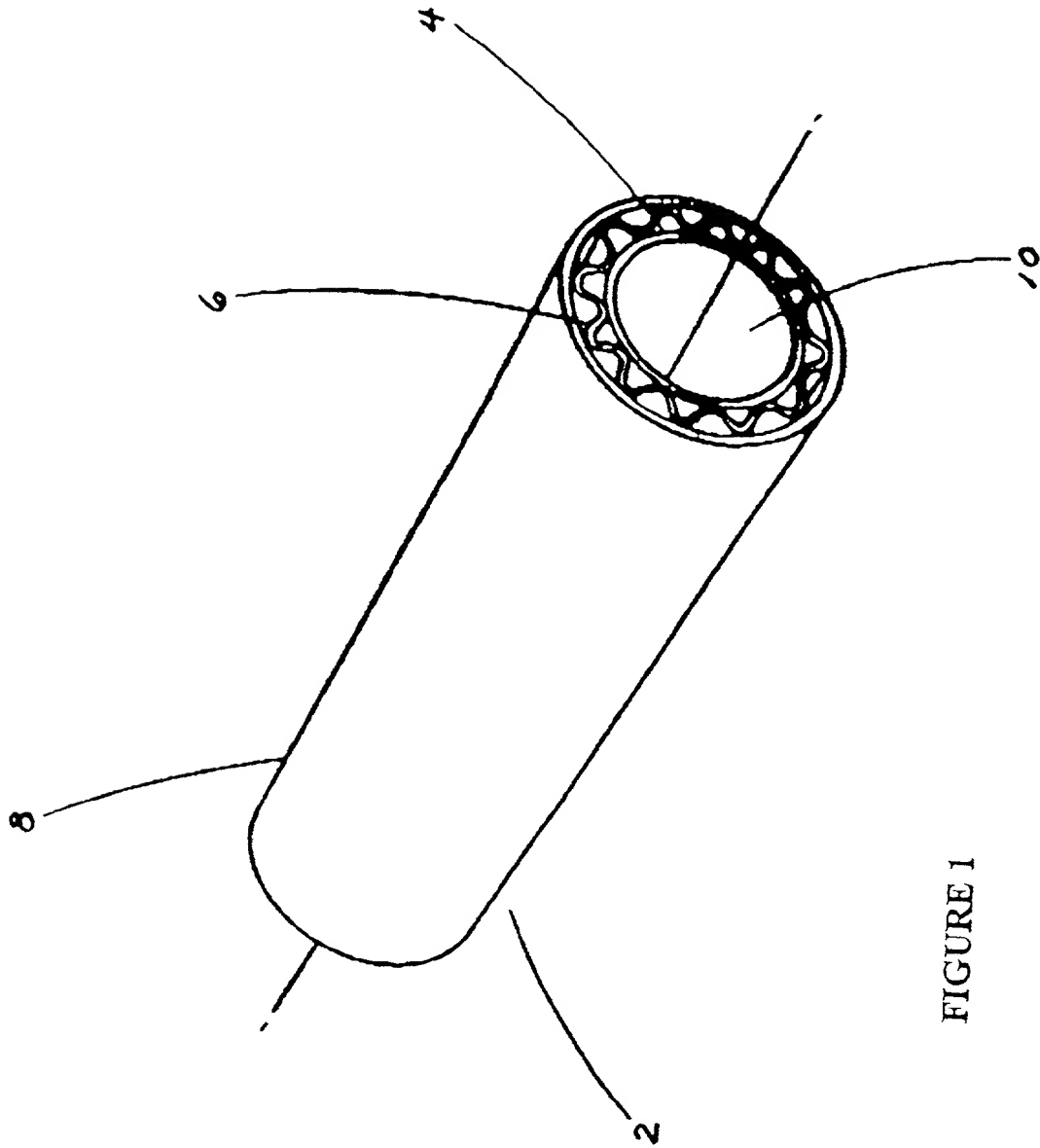


FIGURE 1

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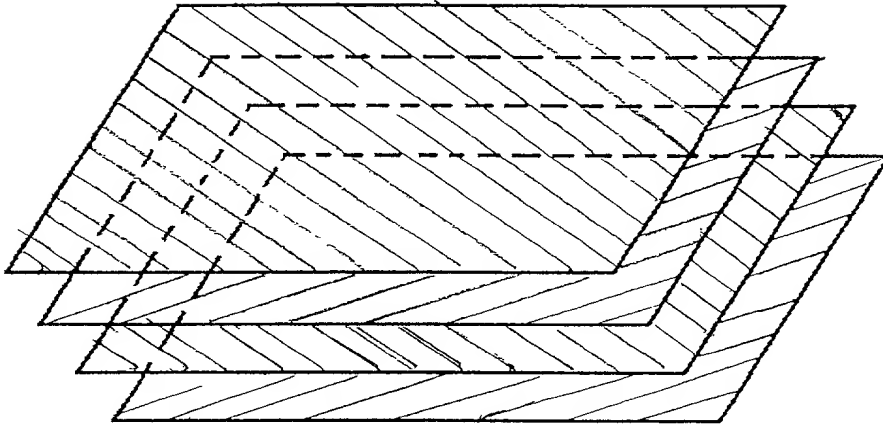


FIGURE 2

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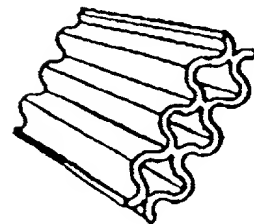
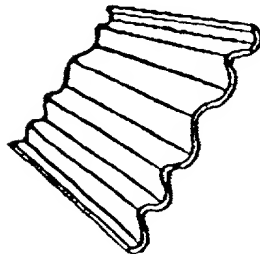
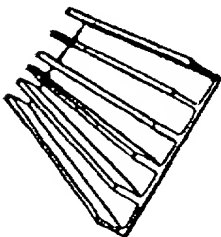
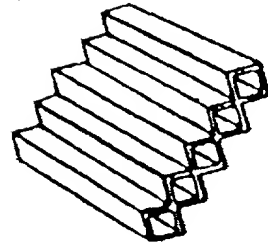
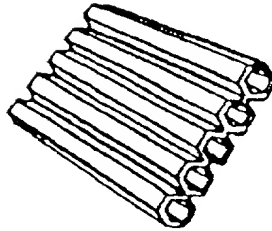
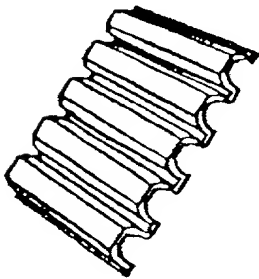
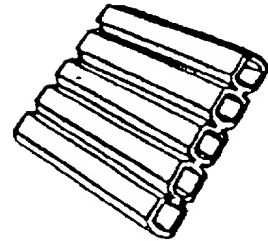
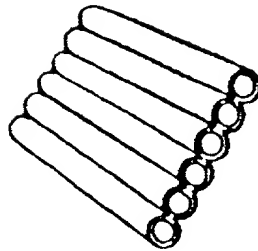
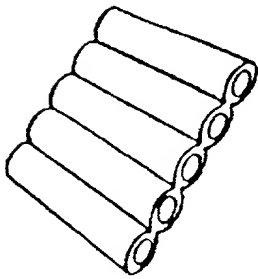
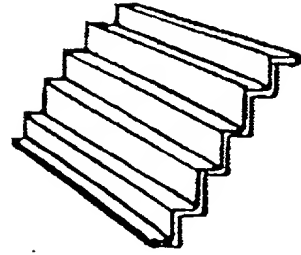
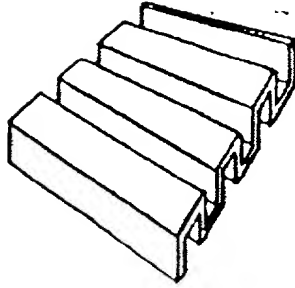
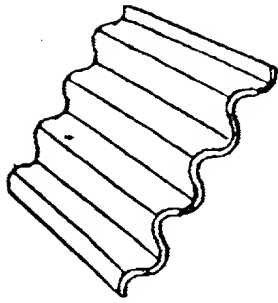


FIGURE 3

FO5040" 02E66860

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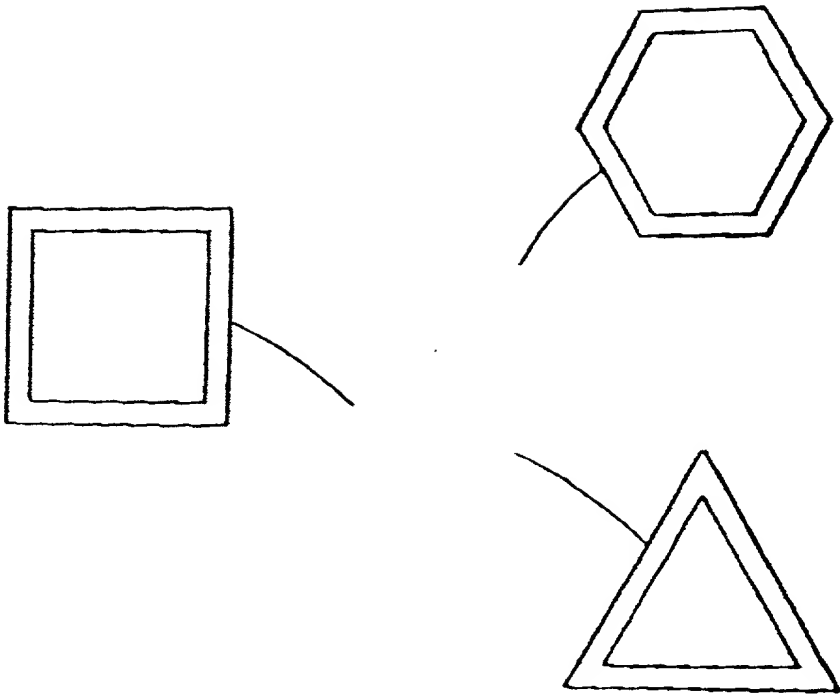
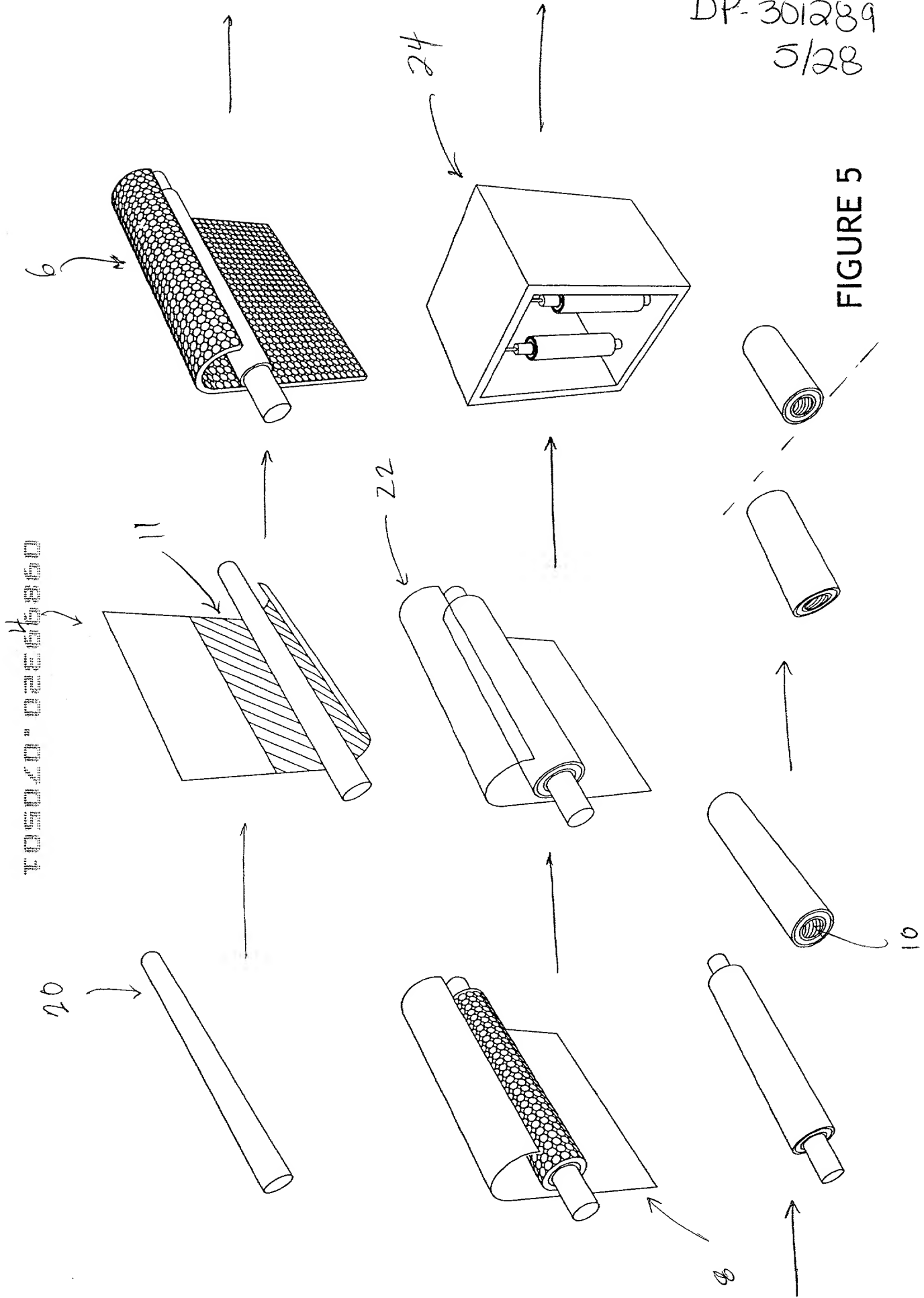


FIGURE 4

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105040" 02E6860

FIGURE 5



Parameter	Value
Initial temperature	25.0
Final temperature	25.0
Initial pressure	1.0
Final pressure	1.0
Initial volume	1.0
Final volume	1.0
Initial mass	1.0
Final mass	1.0
Initial energy	1.0
Final energy	1.0
Initial entropy	1.0
Final entropy	1.0
Initial chemical potential	1.0
Final chemical potential	1.0
Initial magnetization	1.0
Final magnetization	1.0
Initial polarization	1.0
Final polarization	1.0
Initial current	1.0
Final current	1.0
Initial magnetic field	1.0
Final magnetic field	1.0
Initial electric field	1.0
Final electric field	1.0
Initial velocity	1.0
Final velocity	1.0
Initial acceleration	1.0
Final acceleration	1.0
Initial force	1.0
Final force	1.0
Initial torque	1.0
Final torque	1.0
Initial angular momentum	1.0
Final angular momentum	1.0
Initial linear momentum	1.0
Final linear momentum	1.0
Initial spin	1.0
Final spin	1.0
Initial parity	1.0
Final parity	1.0
Initial charge	1.0
Final charge	1.0
Initial color	1.0
Final color	1.0
Initial flavor	1.0
Final flavor	1.0
Initial baryon number	1.0
Final baryon number	1.0
Initial lepton number	1.0
Final lepton number	1.0
Initial fermion number	1.0
Final fermion number	1.0
Initial boson number	1.0
Final boson number	1.0
Initial gauge charge	1.0
Final gauge charge	1.0
Initial global charge	1.0
Final global charge	1.0
Initial quantum number	1.0
Final quantum number	1.0
Initial symmetry	1.0
Final symmetry	1.0
Initial conservation	1.0
Final conservation	1.0
Initial violation	1.0
Final violation	1.0
Initial breaking	1.0
Final breaking	1.0
Initial mixing	1.0
Final mixing	1.0
Initial decay	1.0
Final decay	1.0
Initial production	1.0
Final production	1.0
Initial annihilation	1.0
Final annihilation	1.0
Initial scattering	1.0
Final scattering	1.0
Initial interaction	1.0
Final interaction	1.0
Initial coupling	1.0
Final coupling	1.0
Initial constant	1.0
Final constant	1.0
Initial variable	1.0
Final variable	1.0
Initial function	1.0
Final function	1.0
Initial operator	1.0
Final operator	1.0
Initial algebra	1.0
Final algebra	1.0
Initial group	1.0
Final group	1.0
Initial field	1.0
Final field	1.0
Initial particle	1.0
Final particle	1.0
Initial atom	1.0
Final atom	1.0
Initial molecule	1.0
Final molecule	1.0
Initial crystal	1.0
Final crystal	1.0
Initial liquid	1.0
Final liquid	1.0
Initial gas	1.0
Final gas	1.0
Initial plasma	1.0
Final plasma	1.0
Initial solid	1.0
Final solid	1.0
Initial superconductor	1.0
Final superconductor	1.0
Initial semiconductor	1.0
Final semiconductor	1.0
Initial insulator	1.0
Final insulator	1.0
Initial conductor	1.0
Final conductor	1.0
Initial resistor	1.0
Final resistor	1.0
Initial capacitor	1.0
Final capacitor	1.0
Initial inductor	1.0
Final inductor	1.0
Initial transformer	1.0
Final transformer	1.0
Initial generator	1.0
Final generator	1.0
Initial motor	1.0
Final motor	1.0
Initial battery	1.0
Final battery	1.0
Initial cell	1.0
Final cell	1.0
Initial stack	1.0
Final stack	1.0
Initial array	1.0
Final array	1.0
Initial vector	1.0
Final vector	1.0
Initial matrix	1.0
Final matrix	1.0
Initial tensor	1.0
Final tensor	1.0
Initial scalar	1.0
Final scalar	1.0
Initial spinor	1.0
Final spinor	1.0
Initial fermion	1.0
Final fermion	1.0
Initial boson	1.0
Final boson	1.0
Initial gauge	1.0
Final gauge	1.0
Initial global	1.0
Final global	1.0
Initial quantum	1.0
Final quantum	1.0
Initial symmetry	1.0
Final symmetry	1.0
Initial conservation	1.0
Final conservation	1.0
Initial violation	1.0
Final violation	1.0
Initial breaking	1.0

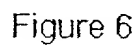


FIG. 10

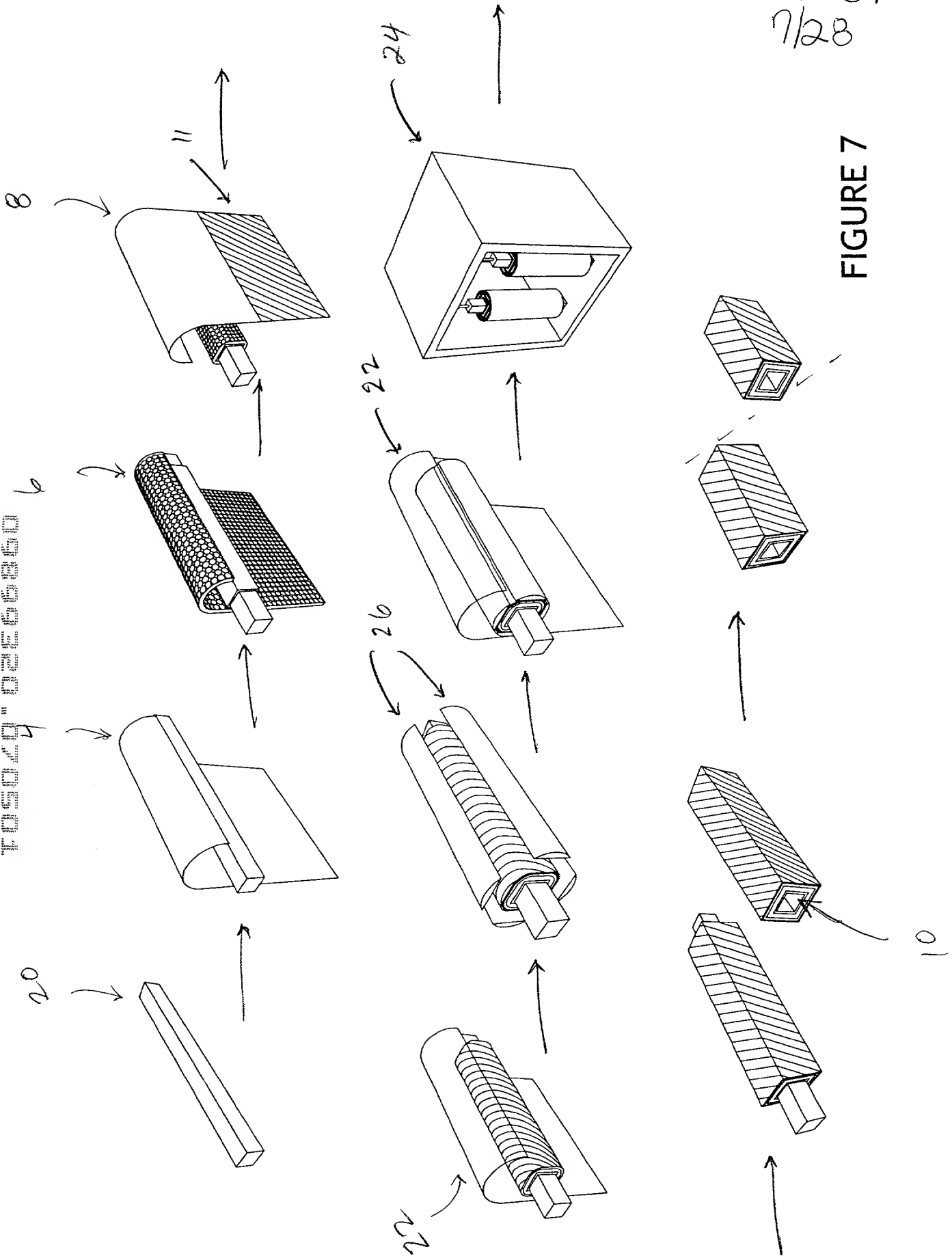


FIGURE 7

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FIGURE 8

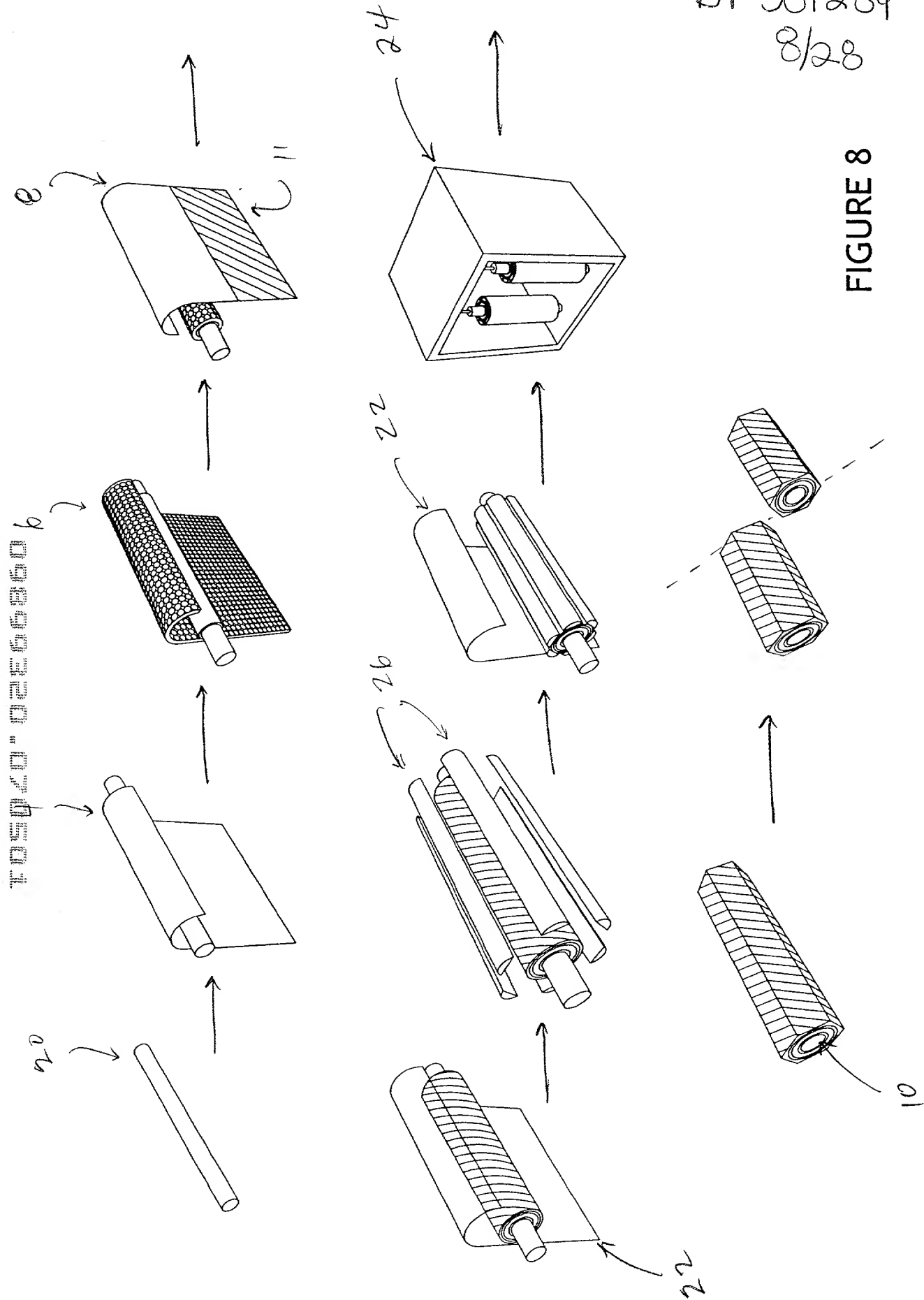
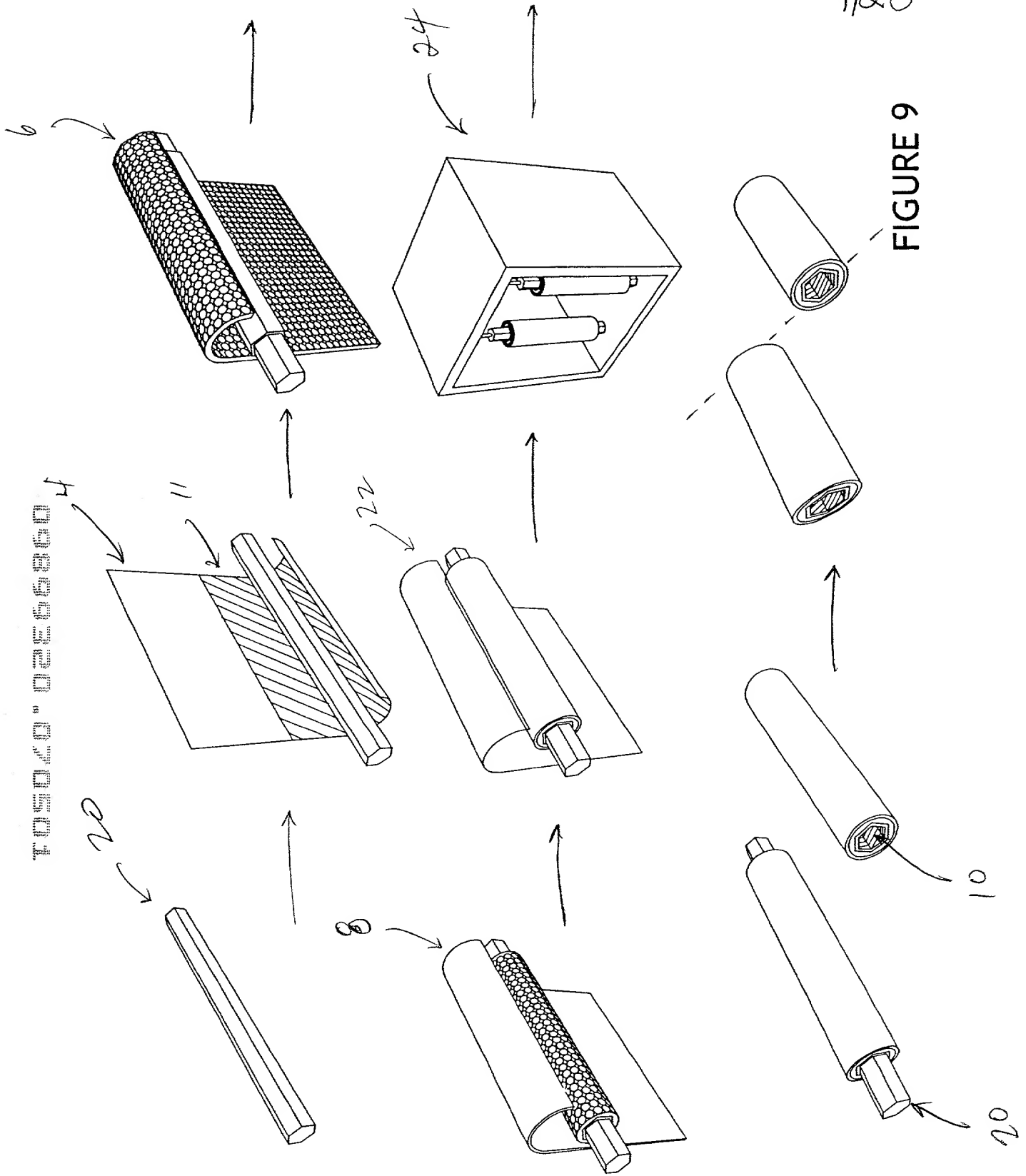


FIGURE 9



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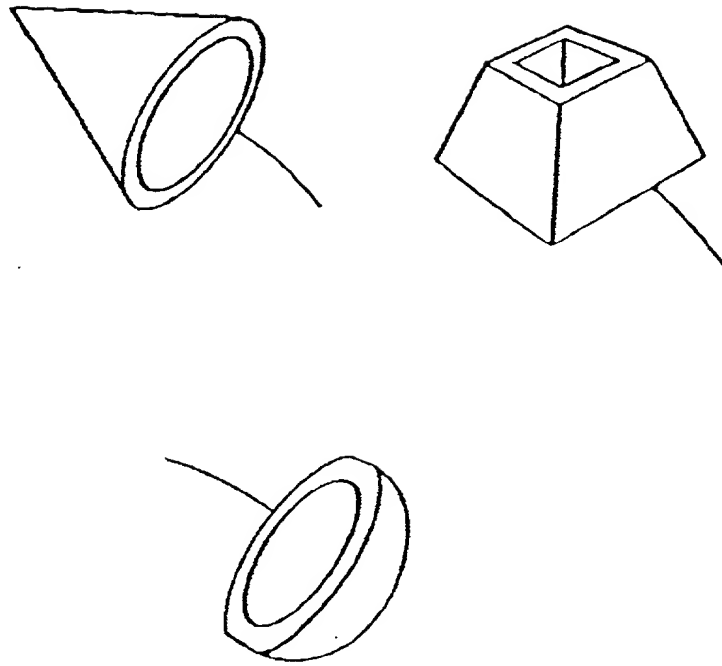


FIGURE 10

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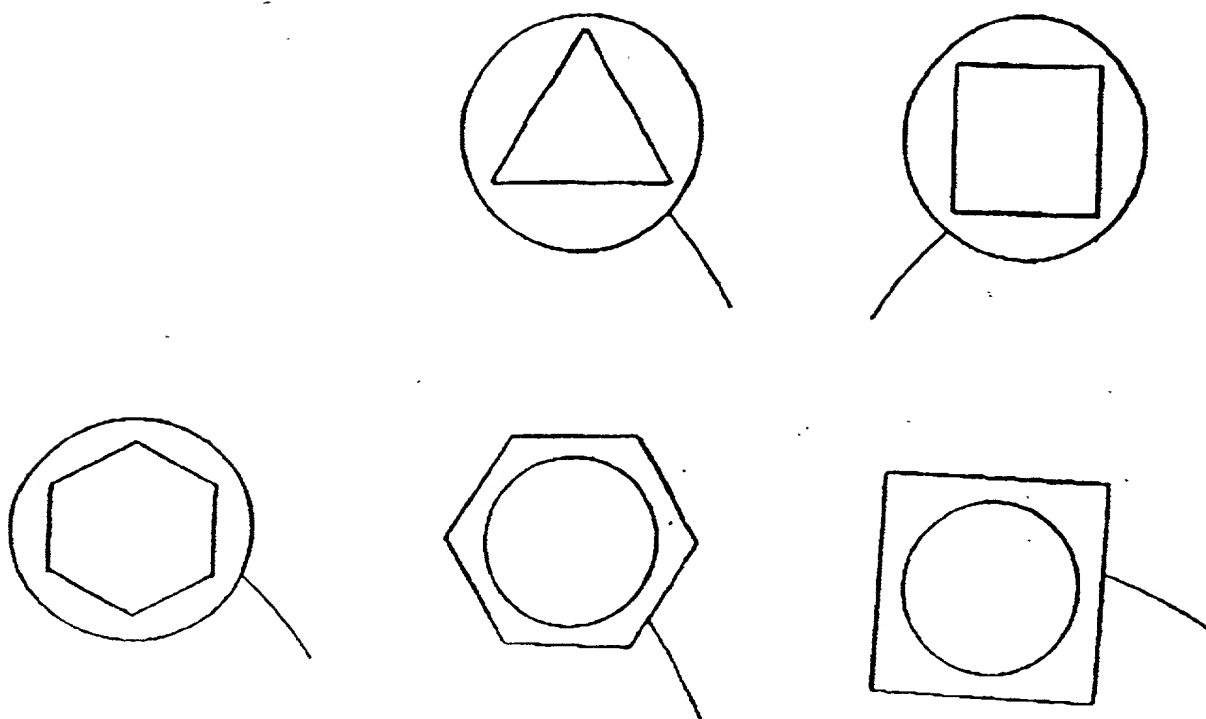


FIGURE 11

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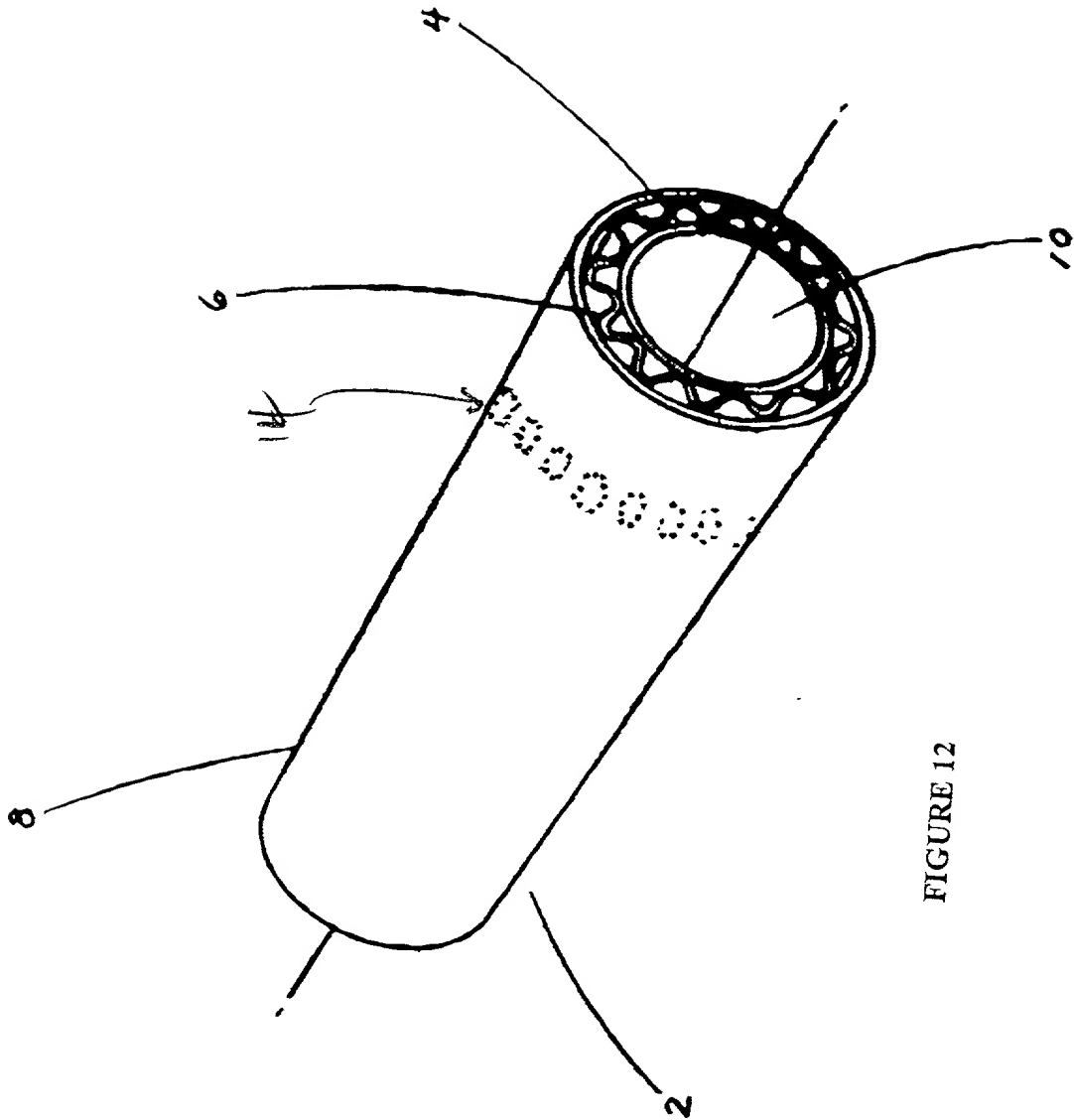


FIGURE 12

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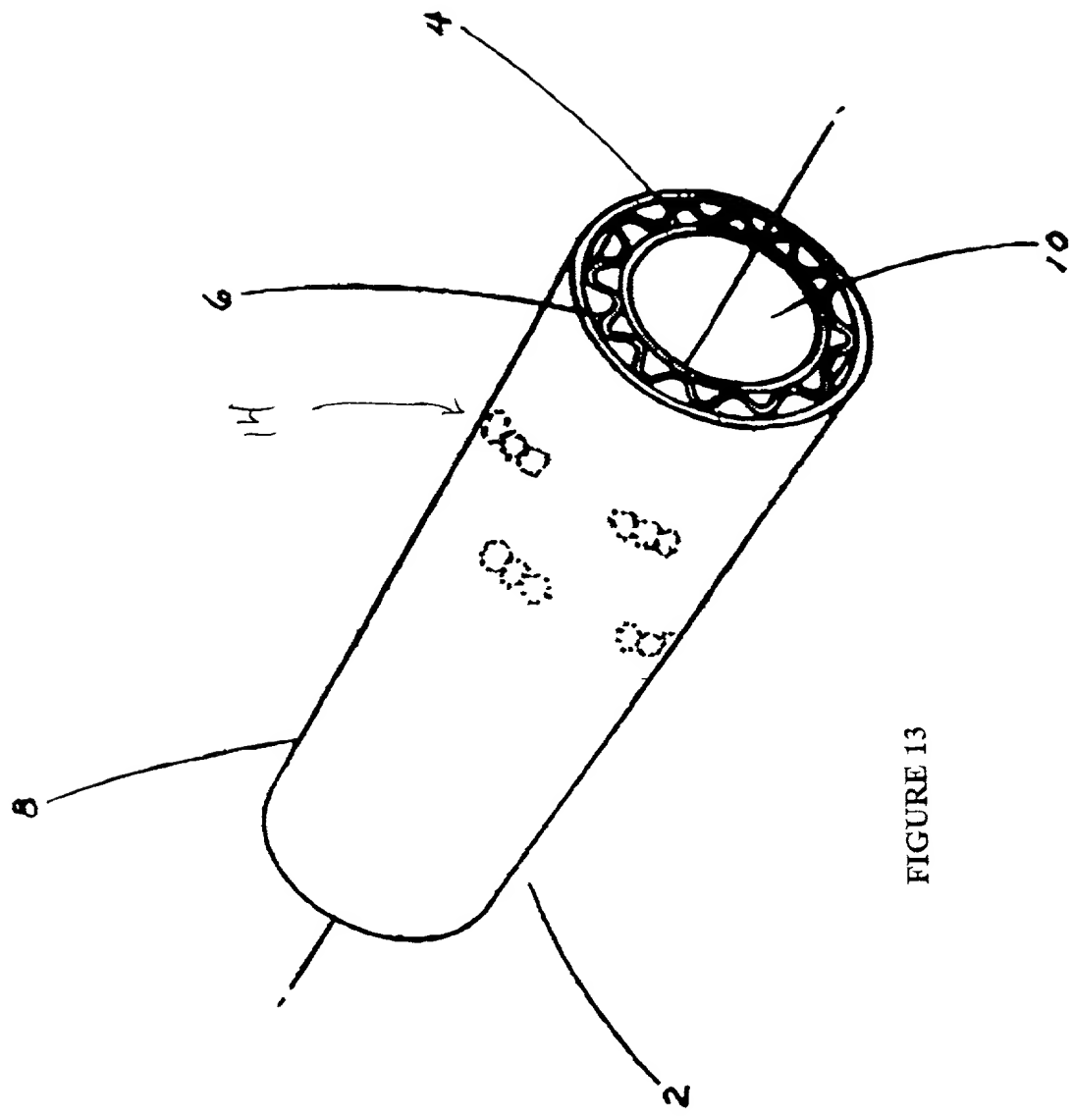


FIGURE 13

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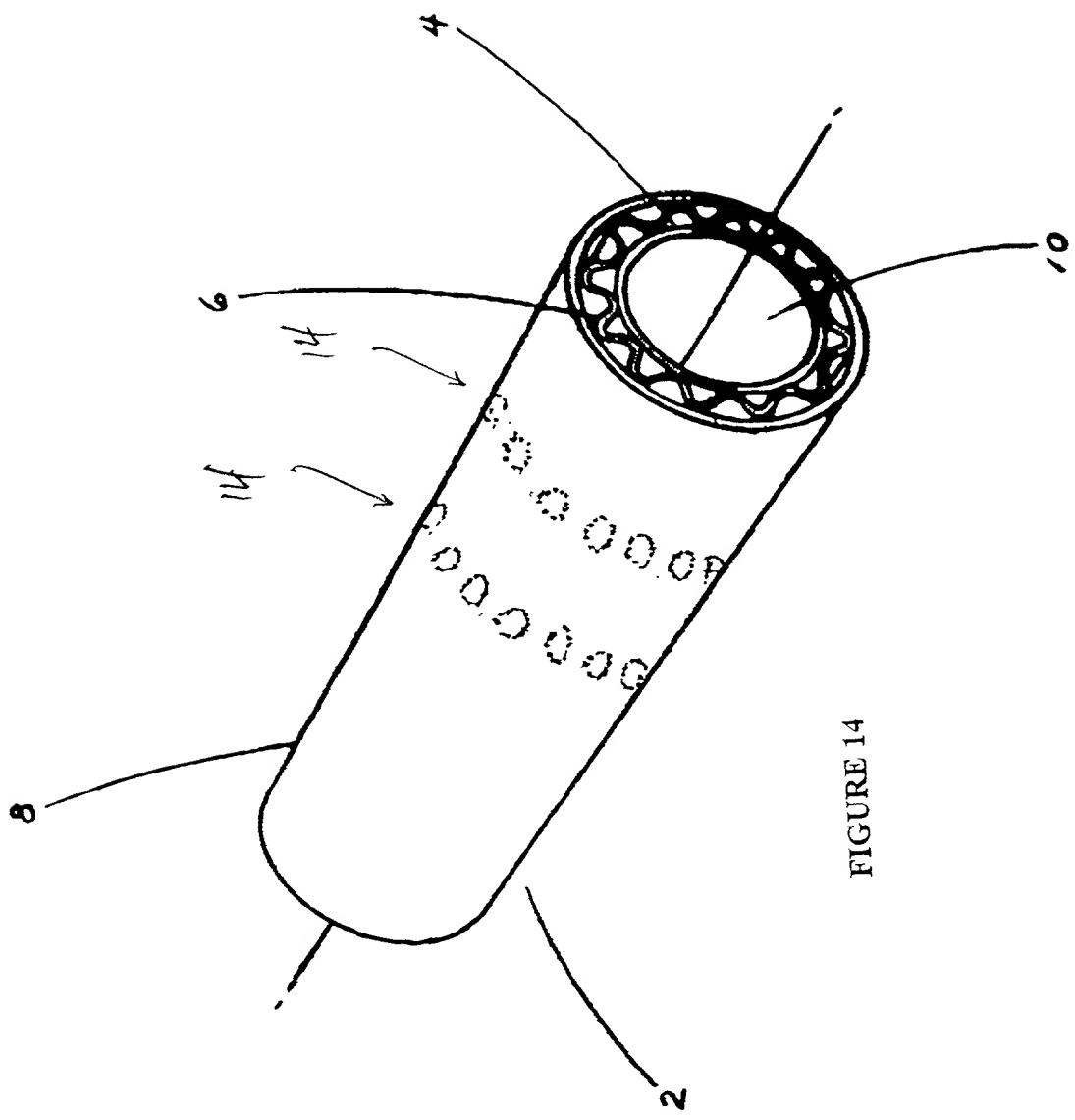


FIGURE 14

105040" 02E66860

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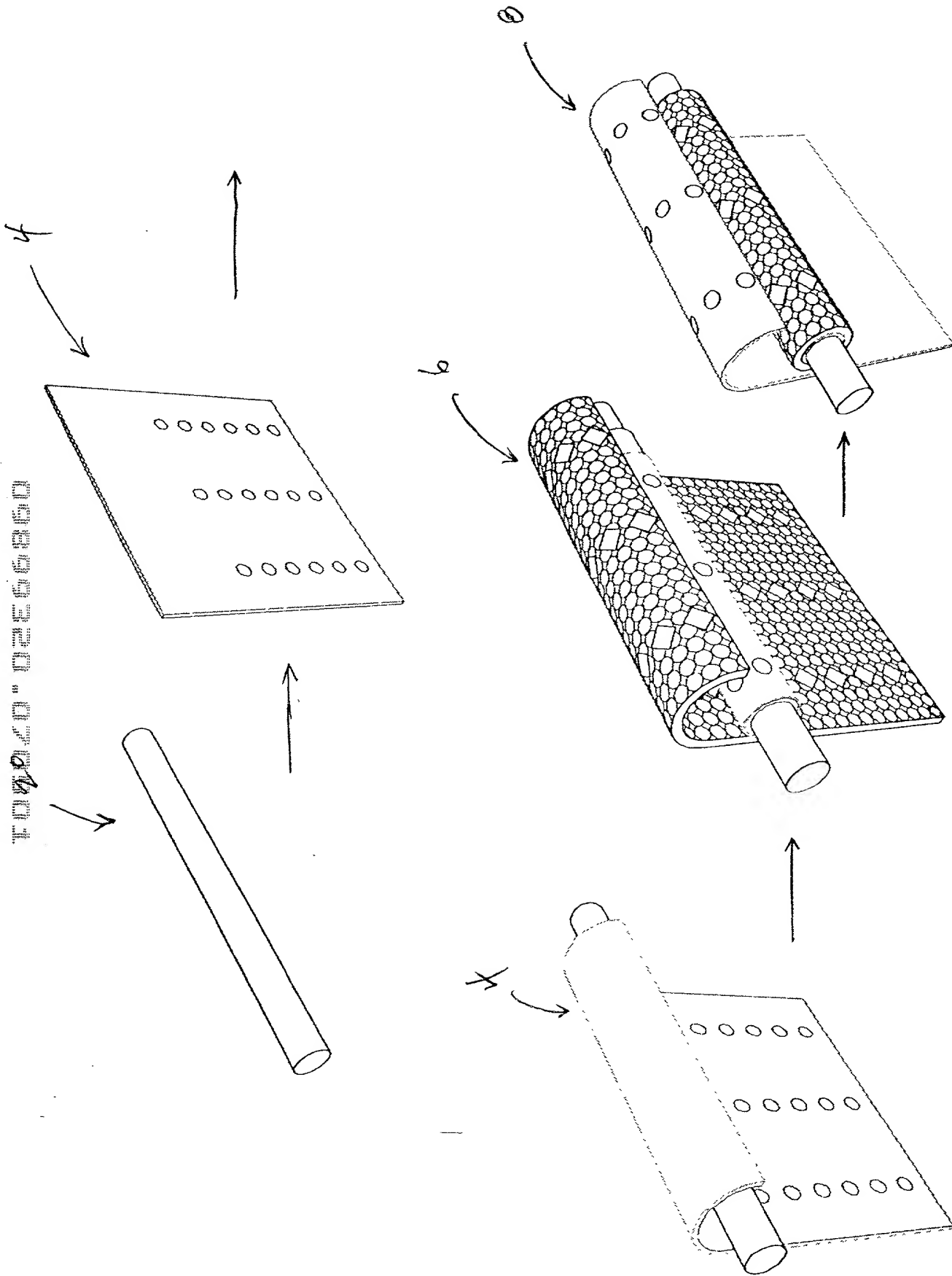


FIGURE 15

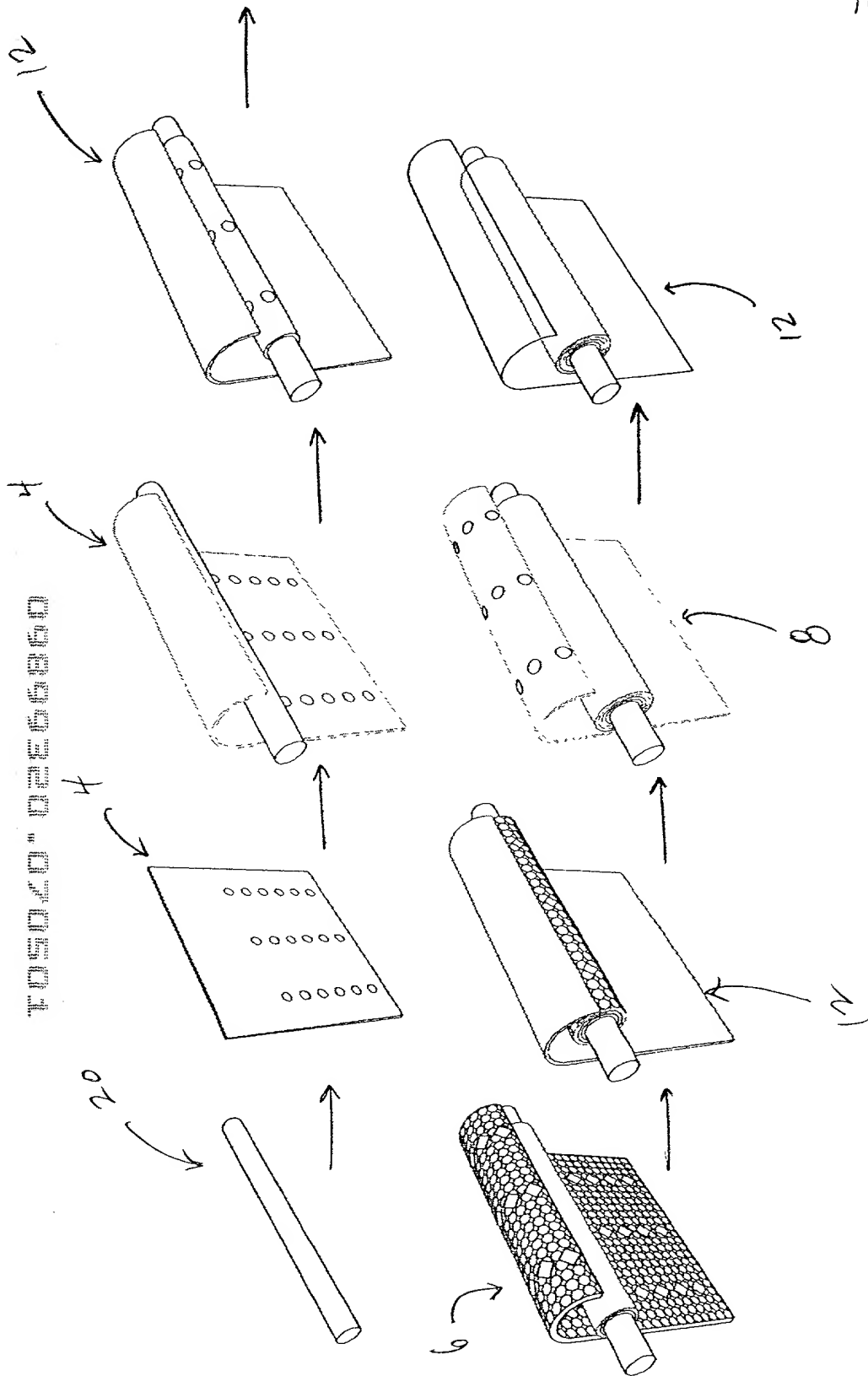


FIGURE 16

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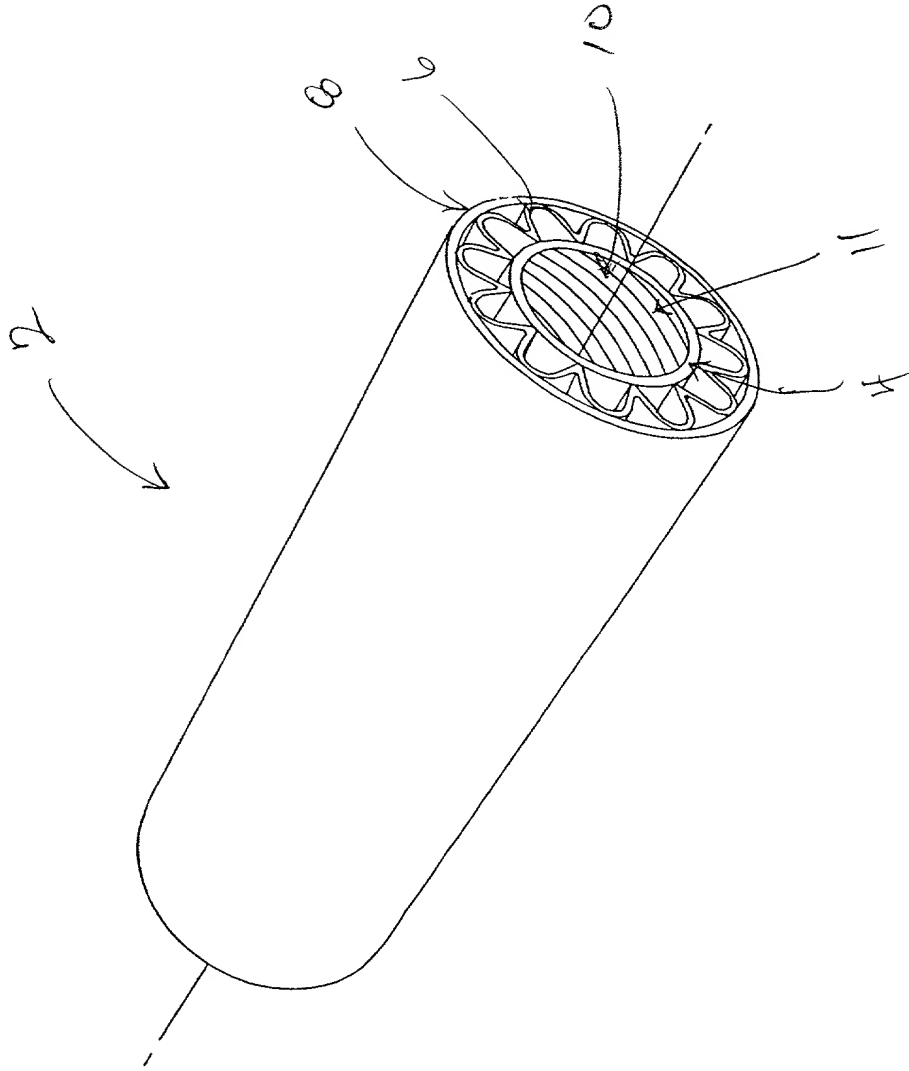


FIGURE 17

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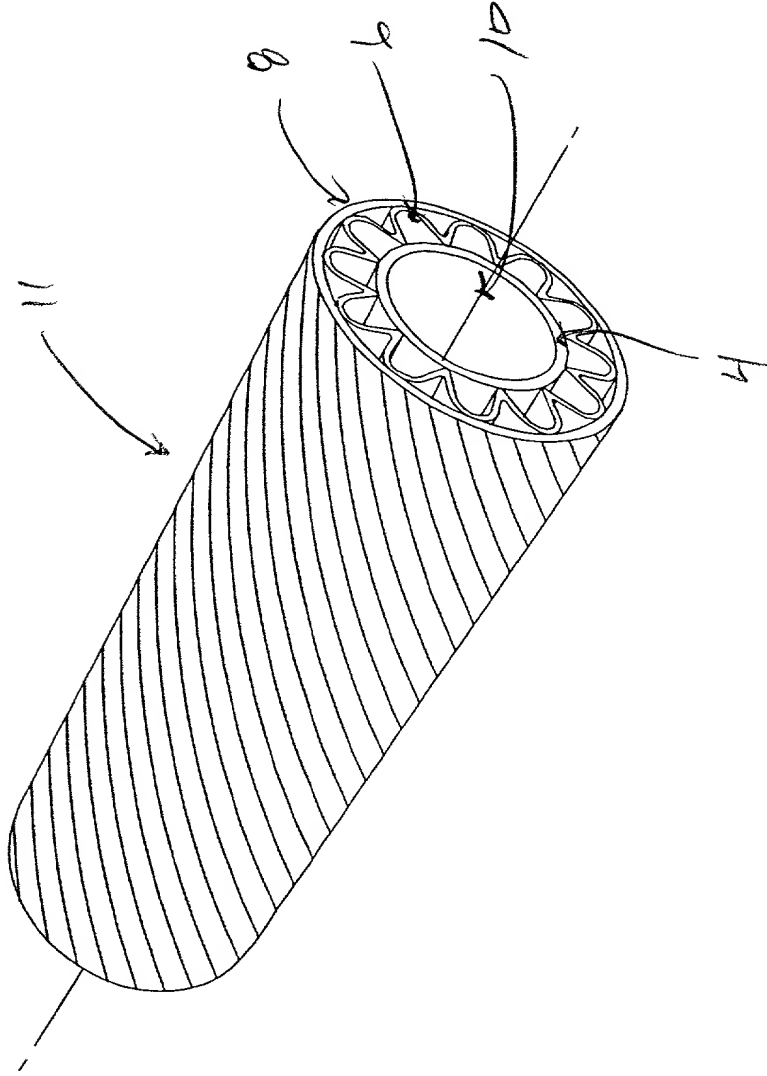


FIGURE 18

FIGURE 18

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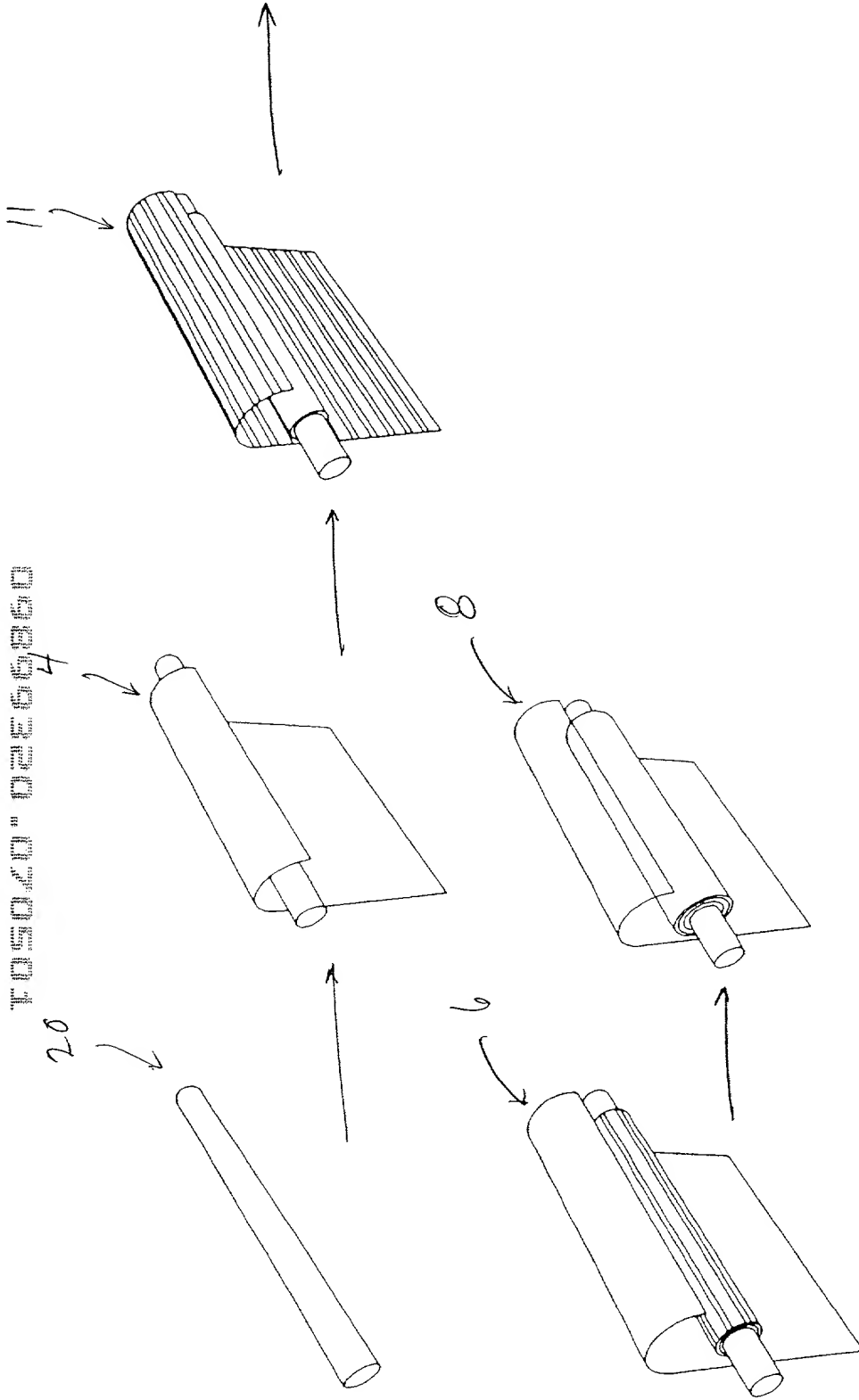


FIGURE 19

FIG. 20

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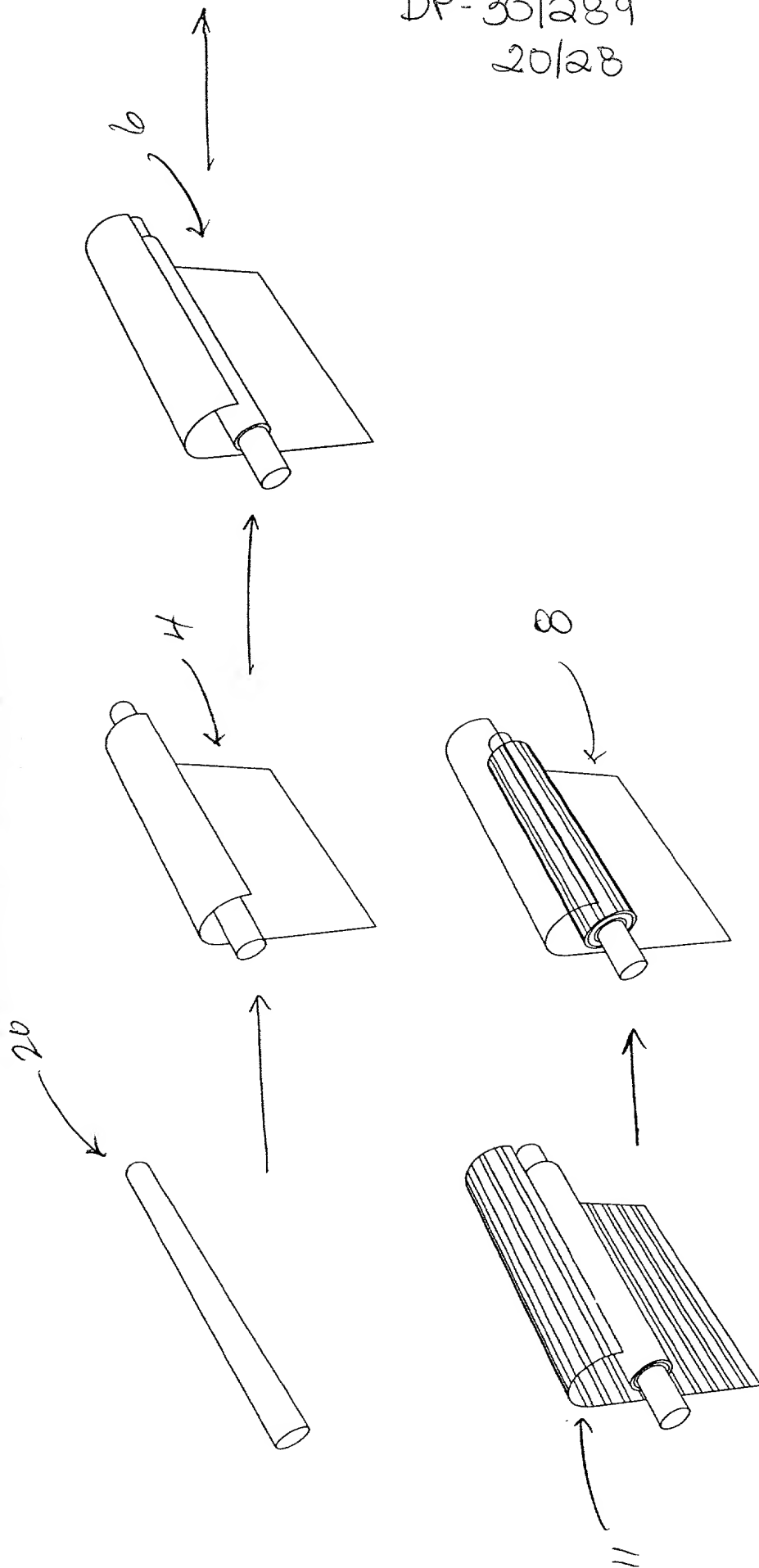


FIGURE 20

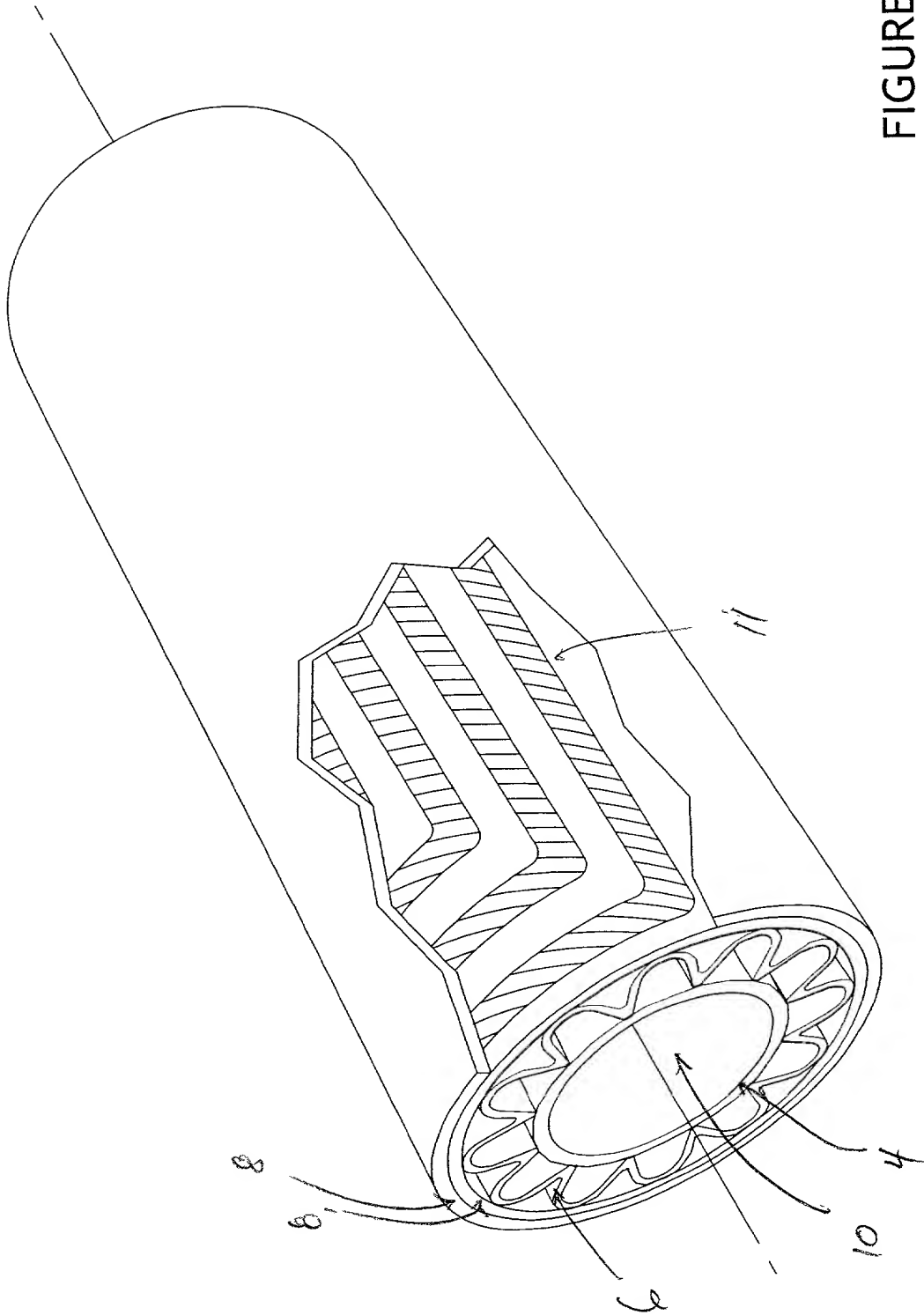


FIGURE 21

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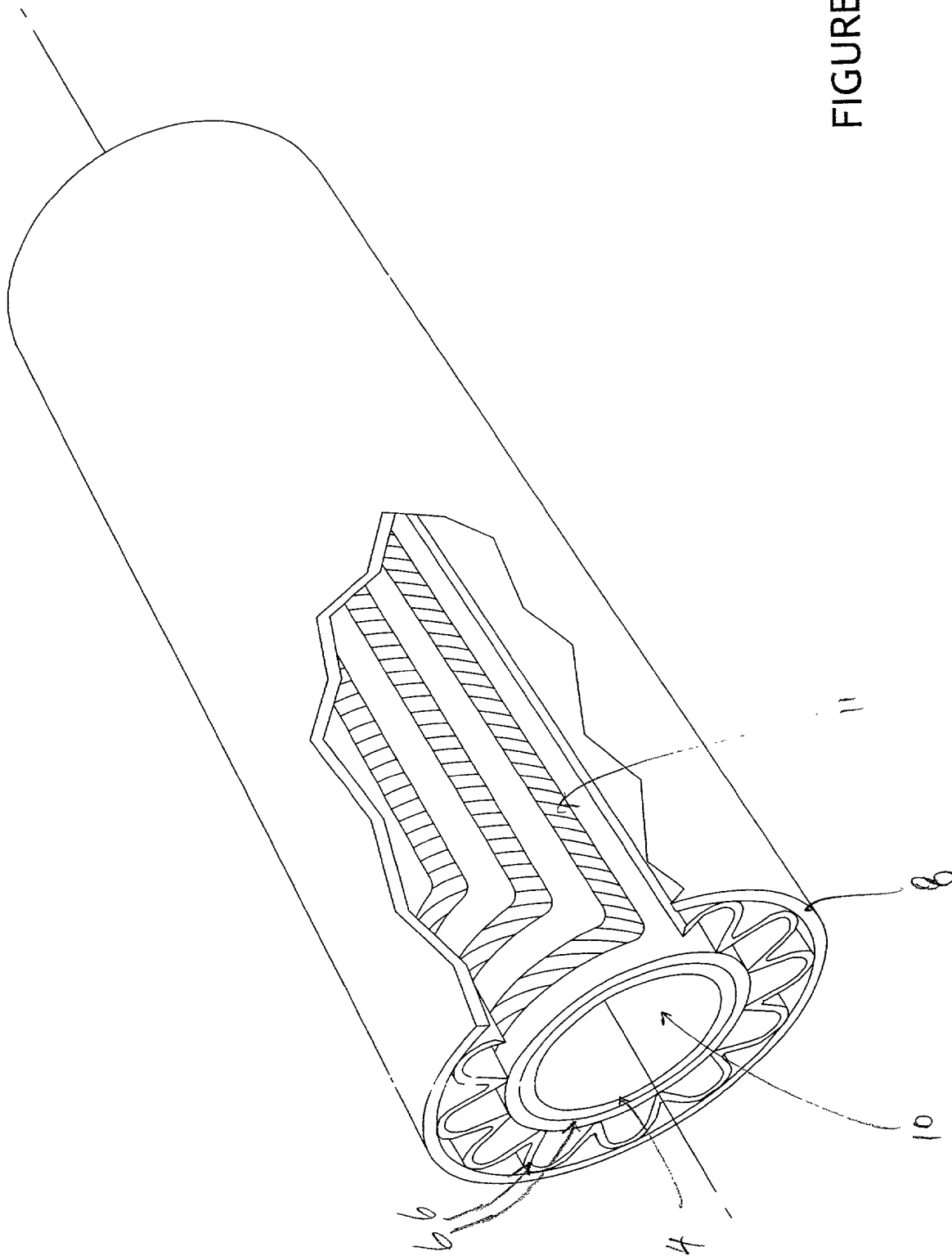


FIGURE 22

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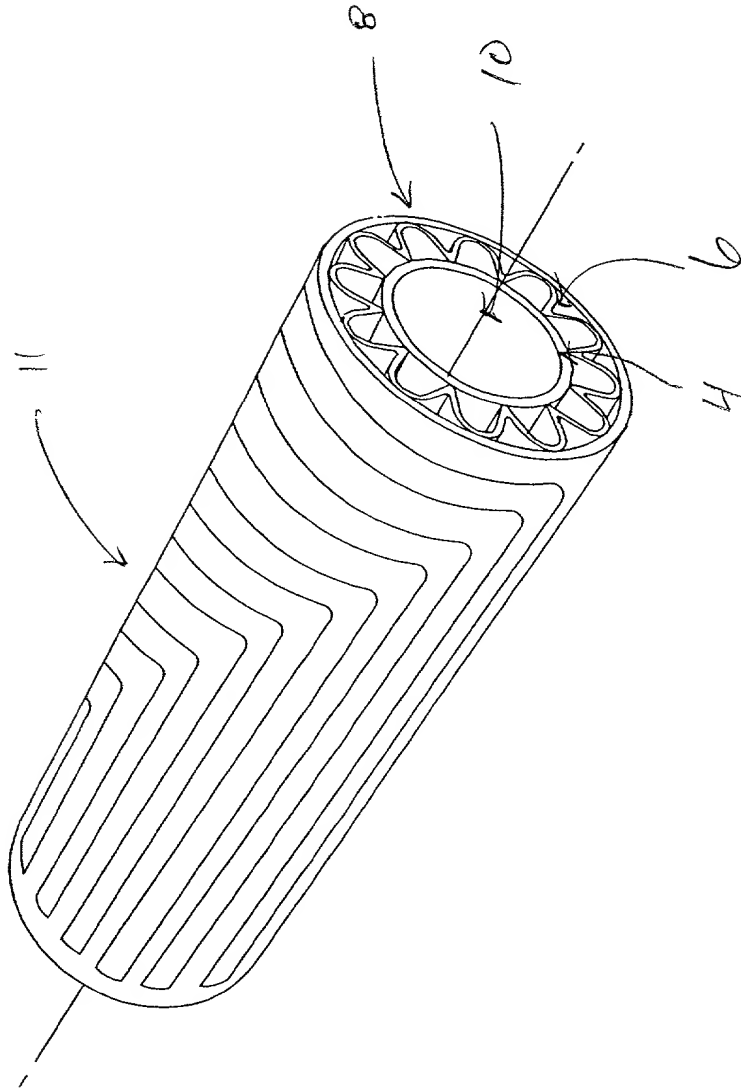


FIGURE 23

FIG. 24

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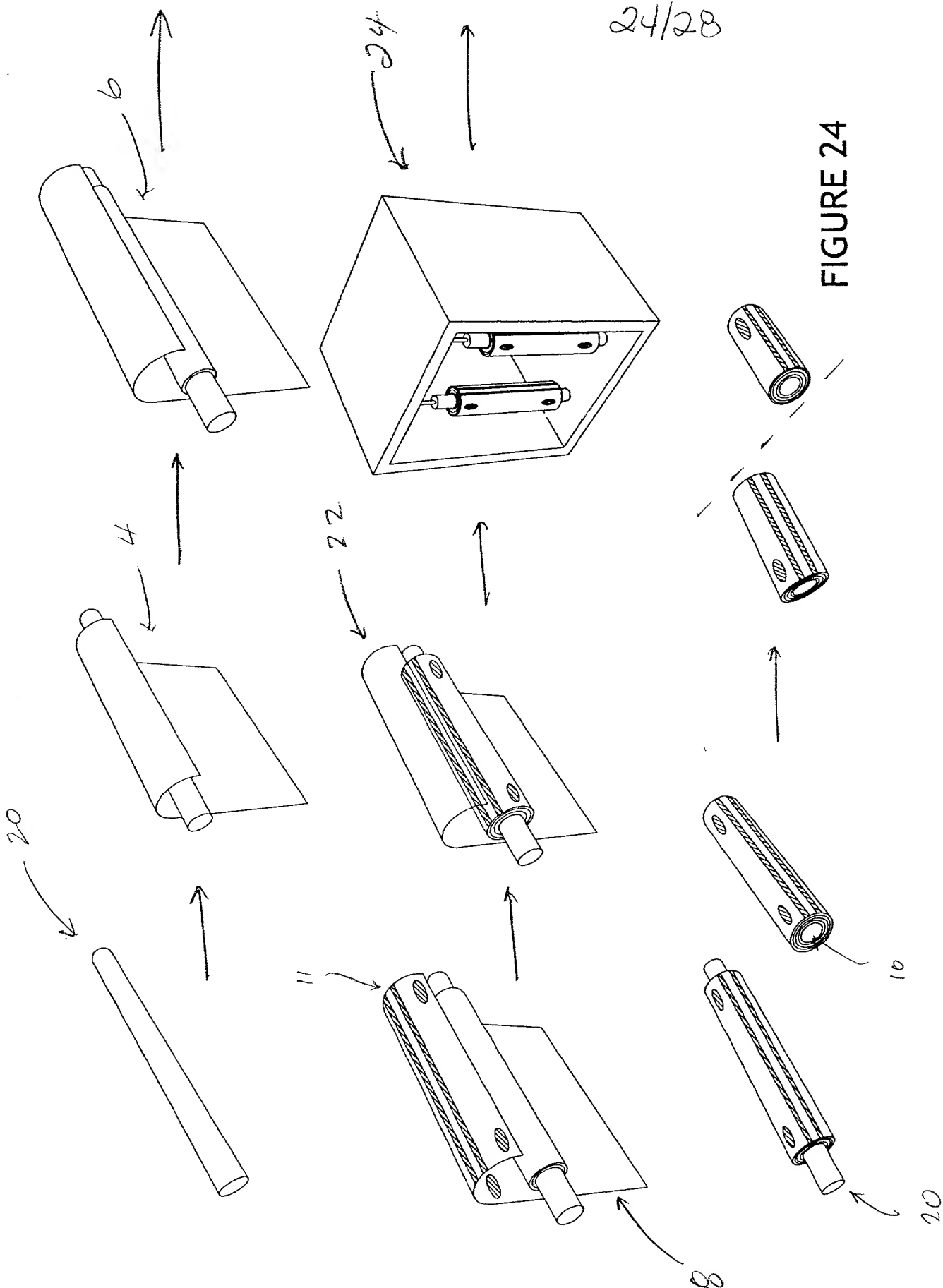


FIGURE 24

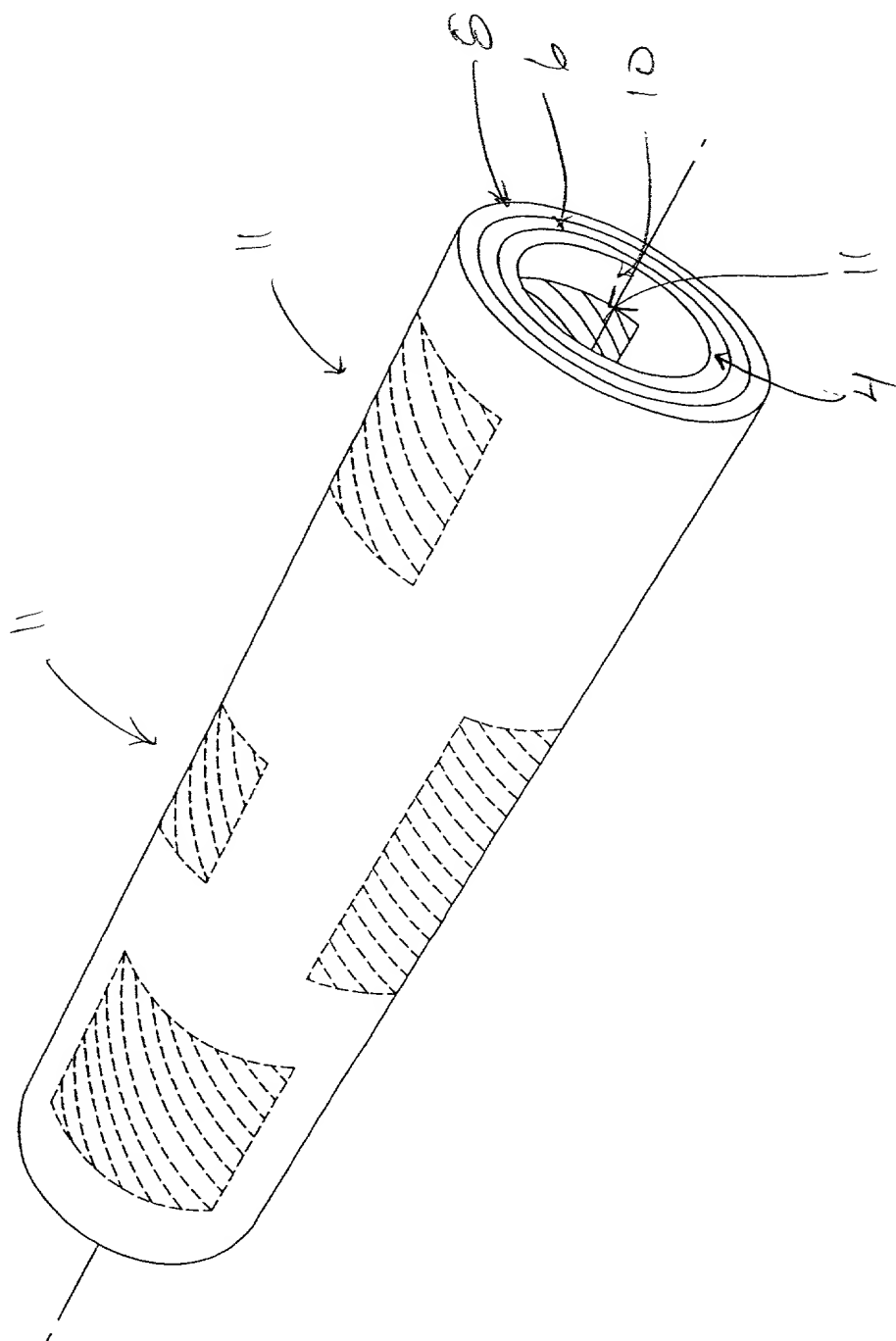


FIGURE 25

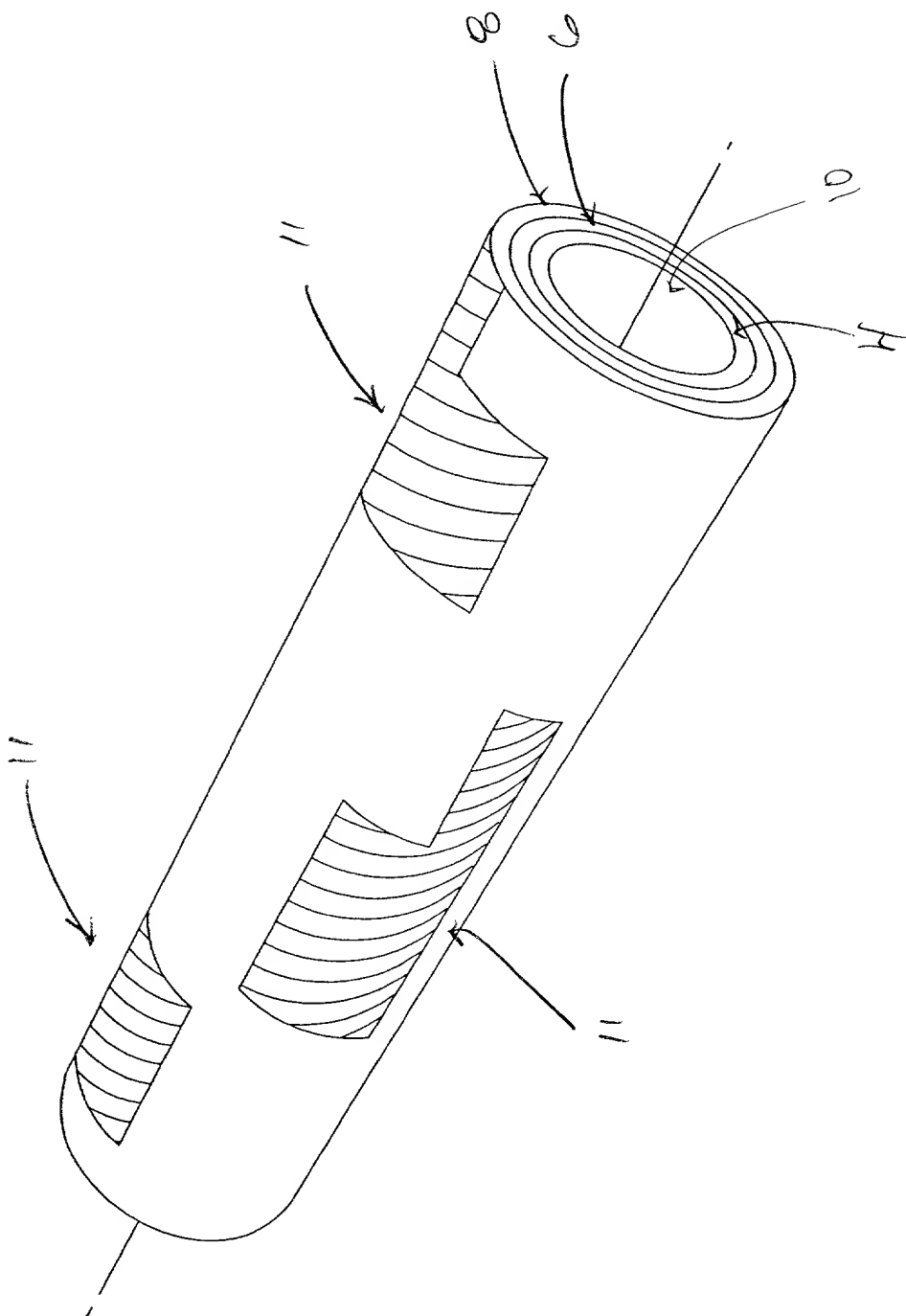


FIGURE 26

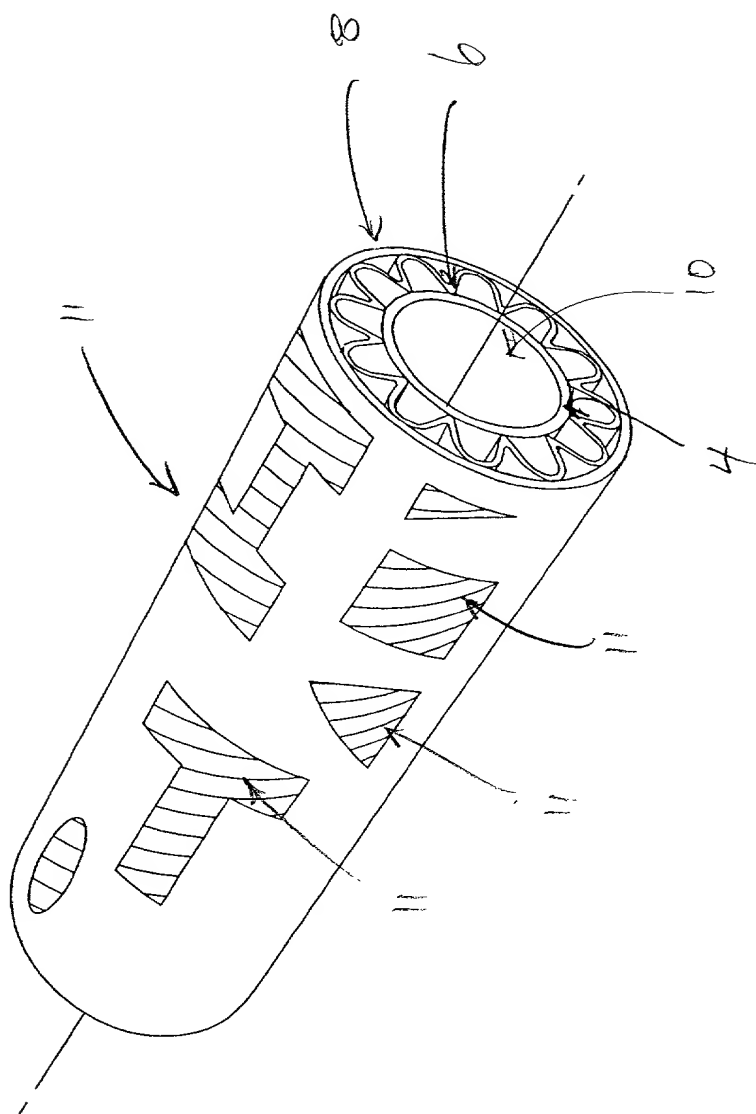


FIGURE 27

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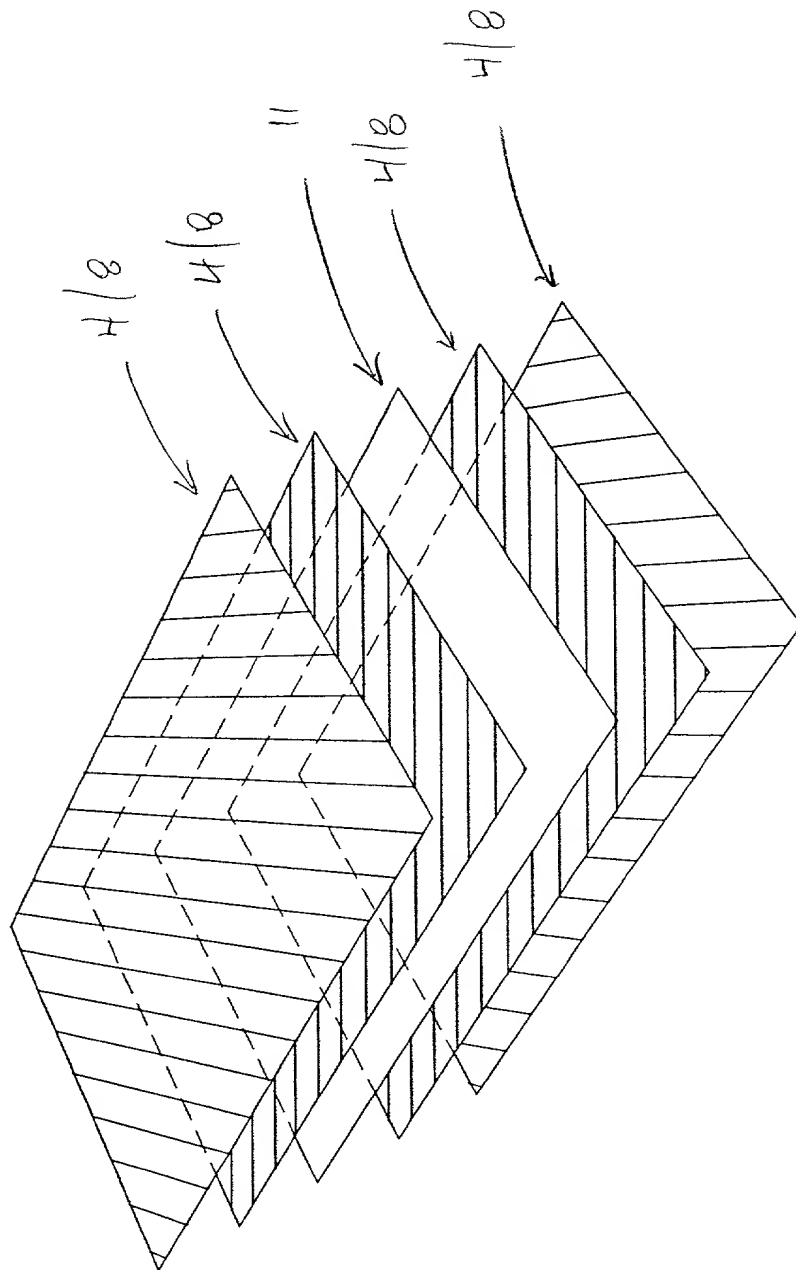


FIGURE 28